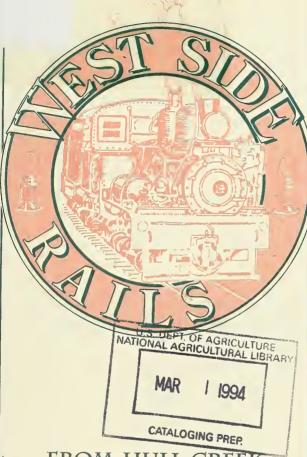
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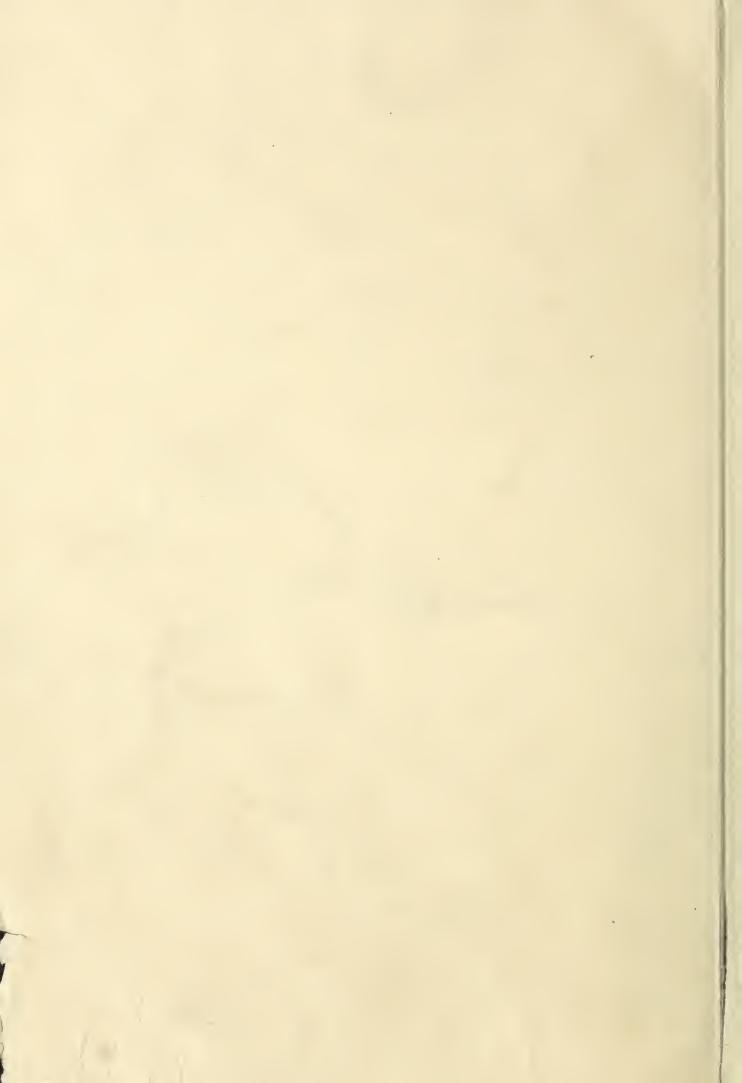


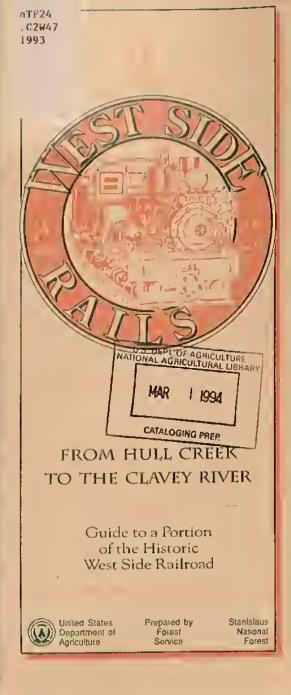
FROM HULL CREEK
TO THE CLAVEY RIVER

Guide to a Portion of the Historic West Side Railroad



Prepared by Forest Service Stanislaus National Forest





This tour provides a glimpse into the Sranislaus
National Forest's rich railroad logging history. The Stanislaus mas home to four railroad logging companies in the first
half of the 20th century: the Standard Lumber Company,
the Yosemite Sugar Pine Lumber Company, the California
Peach and Fig Growers and the West Side Lumber Com-



West Side Lumber Company Mill

The spotlight of this tour is on the West Side. Its railroad logging system included over 70 miles of mainline – stretching from the town of Tuolumne 10 miles of Hetch Hetchy Valley in Yoseinite National Park o mites of Fietch Fletchy Valley in Yoseinite National Park—and over 250 cumulative miles of temporary spur grades. Coupled with the fact that the West Side operated as a railroad logging system from 1900 through 1960, it is easy to see that thu company and its steam railroad had a formidable impact on the Central Sierra's economy and charac-

The idea of tapping timbet by mil in the Stanislaus National Forest was not realistic until 1897 when the Sierra Railway came to nearby Jamestown. Lumber production on this scale needed a state, national and global market, so the Sierra Railway and its link with the Southern Pacific Railwoad in Oakdale opened the door to mining the region's "green gold." The West Side Lumber Company's sawmill was built in the town of Tuolumne, less than 15 miles east of Jamestown. The West Side's railroad, incorporated as the Hetch Hetchy and Yosemite Valleys Railway, was so named due to the owner's initial dieam to combine the railroad logging operation with a tourist trade to Hetch Hetchy and Yosemite. The milway started at an elevation of 2,690', maintained a mean contour of 5,000' and had its highest camp, Camp 35, at 6,300'

Out of sync even with trends at the turn into the 20th century, the West Side's owners chose to build a narrow, 31

gauge milway rather than the standard, 4' 8 if2' gauge. Measured as the distance between the inner sides of the two rails, standard gauge had many advantages over narrow, including increased stability and greater unterchangability and availability of parts and equipment. However, narrow gauge did have the advantage of being somewhat less expensive to construct the grade and the ability to negotiate tighter curves.

Climb aboard an imaginary West Side steam locomorne pulling a long line of empty flat cars to be loaded deep in the woods. You will journey to a time when there were no roads – only trails and rails.

Use caution when stopping or slowing. Presently, this tour route is NOT DRIVABLE FOR ITS ENTIRE. LENGTH. The road surface is appropriate for mountain bikes for part of the way but will require malking your bike through some areas for safety and to lessen eroston damage. Off-road vehicles are not allowed on some portions of the road. The map indicates the road surface conditions and rehicle restrictions. PLEASE CONSULT THE MAP TO PLAN YOUR MEANS OF TRAVEL FOR THE TOUR.

Do not remove artifacts; leave them so that others may touch the past. Excavating, removing or otherwise damaging a heritage resource is a crime. Anyone caught may be substantially fined and imprisoned. Help protect these fragile and irreplaceable reminders of the past for present and future generations. If you discover anyone digging, metal detecting, removing of damaging any heritage resource, immediately contact the MiWok District Rangee at (209) 586-3234.

This travelway is part of the West Side Lumber Company's mainline foe its railroad logging operations. Toward the inside of the road, you can see a siding used by the West Side in connection with its activities at Camp 24.

Sidings, or areas of multiple tracks, were made so that the railroad cars or engines could be stored, loaded or serviced off the mainline, allowing other trains to pass. The West Side ran several trains each day between the morintains and the mill, so well-placed sidings were very important to the company's safety and efficiency.

About 100' left of this Tourpost was an oil tank. You can still see the tank-house frame and filler pipe.

You are on the site of West Side's Camp 24.
Used as a logging camp from 1915 through
1960, it once was home for about 200 loggers,
trainmen, cooks, flunkies, whistle punks, high-climbers,
gandy dancers, donkey doctors and other colorfullynamed woods workers.

Fluntes did odd jobs around the camps, especially serving and cleanup chores in the messhall; whistepunks passed signals

HULL CREEK TO THE CLAVEY

from the choker setters to the

by means of

mhisrle on the

lanbed and

elimbed trees to

sing nggmg; gandy dancers tamped the ground in

preparation of laying track; donkey doctors

repaired steam donkey engines and similar

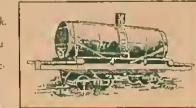
machinery



Oblique aerial view of Camp 24 balloon track

The oil tank peeched in the through cut was accessed by a short spur that ran just upslope of the tank. In this may a tank cae could be pushed unto the spue and this large tank filled by gravity from the car. Notice the extraordinarily thick walls of the rank car and the numerous eroun rivets. The car's

assembly is called a mack. axle and you will see that the manufac turer 11735 TAYLOR. The 1900 efers to either the manufacture or patent date.



Oil Tank Car

Through cuts are a very common engineering feature on historic railroad grades. To maintain the gradual slope of the grade and avoid excessive curves, the Wesi Side simply cut through hills and mountain slopes. Today's road

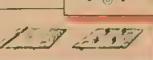
doposal, generally daylight such places, where peactical that is, they remove the ontaile slope of the hill or cur extra-inde – to improve the road's sifety and reduce its matitenance

requirements.

To preserve the feel of being on a historic milroad gode, thr Standard National Forest has proceived miniv through cuts and pass through many of these cuts along the tour Because of their natronness, please slow down and use extra cantions remember, you're in the throttle of a multi-ton steam locomotive pulling a full load of empties into the modal!

You will see an occasional tir plate, spike, rie, rail oc other piece of milroad hardnare along the grade. Selection of the style of rie plate and spike; the length, spacing and speciment moed used the neight of

impoctant



consideration for railroad builders.

Tie Plater

The West Side commonly used 6'-long, cedin tier that were spiked 2' apart, from crinier to center. Longer Loting than any of the pines, cedin had a lifespan of about 9 years. 2,640 ries merequised for each mile, along with 352 rail joiners and 10,560 spikes! The rolume of noval used for tres, resiles, fuel and other necessities of the rollroad was enormous. An estimated one-quarter of the nation's entire timber on in 1900 mis consumed by the rothroads.

Rail freight in expressed in pounds per 35 long section, and 60 pound rail mis typical on the West Sule's monthine Spur grades often used 35 pounders, but healt sucright

The meadon to your right is called Boney Flat. The pines here were planted in 1978 and '79 by the U.S. Forest Service. On the hillside in the distance, you can see the even line of this former West Side railroad gmde. The steepness of the West Side's gmdes was optimally kept below 4.8%, that is 4.8% of gain or loss in elevation for every 100' in length.

This is the site of Camp 25, active in 1945. This logging eamp was at Milepost 33, indicating that it was 33 miles distant from the sammill in Tuolumne. An old grading camp is also near here. These eamps were located at intervals along the tuloud for use by

rockers trho built the grades. They were brime to laborers. pander monkeys, mule skinners and steam diorel operators - as nell at to support notkers like cooks and blacksmiths. The milroad between the amonth and the Clarrey River no butle by hand, explorings. antinal and steam
power. After the grade

Stein Dinker

towed the Clarey

Pourter Munkeys and gas powered machinery of steam shorels.

Subtle remains of mean donkey mork areas can be seen in these ocods. Steam donkeys nere huge, steam-powered machines used to pull or yard felled logs from the snimp in a track-side landing where logs could be loaded -

again with the aid of a steam donkey - onto milting flat cars. Steam donkeys came in different sizes: the larger and more powerful ones could handle over a mile of 1 1/8.

diameter with tope. These engines came into use on the West Side after about 1905 and began a transition from the charge yarding to ground yarding. Chutes trere log-lined channels set in the ground in which logs were placed and dragged to a landing. Chutes were liberally greased to lessen



the tremendous friction. With more powerful steam dankeys, the resistance of pulling the log over the ground could be overcome and costly chutes could be eliminated. However, the scars left on the land due to super-compaction of the soil are, in places, still resible roday

Discarded ware tope is also a common sight in these mods. Used for anchoing machinery, yarding logs and many other applications, twire rope was extremely strong: a 7/8" diameter piece of iton strand mre tope had a breaking strength of about 12 tons. The breaking strength of 1½" cable cass 34 tons... steel strand tope mas even stronger!

This large cedar, encircled with 3/4" cable or wire rope was probably used at an anchor point for a steam donkey to load track-side flat cars with logs yarded from the woods. If you look closely, you only see many cable-scarred trees, indicating their use in steam donkey operations. Most of the trees you see with this scar will be cedars - they were far less calcubbe as lumber than any of the woos. than any of the pines

The lands logged by the West Side were characteristically steep and deeply cut by major drainages, such as the North Fork of the Tuolumne, Hull Creek, the Clarey River and Bourland Creek. But also of concern to the grade builders

were the small revulets which may be dry all summer, but which carry a rorrent of runoff in the winter and spring. These small drainages could and did destroy the grade, rendering the railroad system useless beyond the point of

Park safely near this Tourpost and carefully hike downhill. A short distance downslope, at the point of the drainage's crossing of the grade, look for the culvert attructure built by the West Side. This is typical of the moderately-sized culverts built by digging a trench beneath the grade and lining it with logs and rock. At the outlet, large aboved granic rock was carefully placed around and large, shaped, granite rock was carefully placed around and under the log cultert. The rocks forming the outlet were carefully fit so that mortar was not necessary. From this point, as you travel eastward; about 3/10, 1/2 and 1 1/2 miles from here, are other culvert structures - the last is

This is the site of another WSLC grading camp, occupied by workers who built the roadbed and laid the track. The camp was

probably occupied in the late 1914 and 1915 season. At this point, we know very little about it and hope to discover more in the future through old-timers, archival research and historic archaeology.

On the slope above the grade, the deep furrous rell you that steam donkeys yarded logs from the woods and piled or decked them by the grade for loading onto



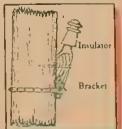
As you explore the moods for these traces of turn of the century logging, you may find a tall, straight, limbed tree. Called a spar pole, these strategically placed trees had rigging placed near the top which allowed logs to be lifted either for yarding or loading purposes. You may also see unusually high stamps with springboard notches in them. Many of the trees in this vicinity were cut before the chainsaw era and were, instead, cut by ux and misery whip. Sometimes when felling a tree on a steep slope, the logger on the dominione side of the tree had to get level with his upslope partner. To do this, a norch was axed at the appropriate place on the tree base and the springboard—

a steel-tipped board about 4 feet long and 8" wide — mis pounded firmly into the notch. The domhill logger could then stand on the springboard and saw on an even plane with his partner. Springboards also got the cut above the tree's flare at its base, which simplified loading, yai ding and

You may have already noticed traces of the West Side's telephone line. It was uninsulated, galranized upre that was strung in the trees along the downslope side of the railroad grade. You can

occasionally see wire which has falled not the ground as well as wooden, threaded, insulator pegs or brackets nailed into the tree, about 15' up. You may also see a glass or porcelam insulator or frag-

The telephone was vital to the West Side's operations, providing a quick communica-tion link between the woods nd the mill town of Tuolunine



Insulator and bracket install ation for telephone system

Here, paralleling the mainline grade, is the beginning of the Trout Creek Spur. This grade led past Camp 26, later called Camp Clavey.

Camp 26 mas used as a logging camp in 1916 and again from the late 1950s as a reload station, where logs brought from the moods by truck mere reloaded onto the rathrond cars for transport to the sawmill. The Tiour Creek spur continued well north of Camp 26 and reached into old-growth stands of timber along Trout Creek, a tributary of the Clarey.

Park safely and walk about 40° below the grade. Here you will discover the Great Wall. It is a retaining mall used to eatch the soil in this steep, unitable area to pierrent it from sliding our and weakening the grade. Imagine how this was built; block and tackle, probably a tall impod or boom, hammers and cheech, along with plenty of cursing and muscle.

This is the site of Buffalo Landing, Buffalo was a husting place! By 1958, truck logging domi-nated and became far more economical than logging by rail. The West Side chrank no maintine system and abundanced most of its spins. The last operating rathead in the West Side, Buffalo Landing was the scene of feverality transferring logs from tracks onto flat cars.

The travelway merites the Trout Creek spur. To entitude exploring the mainline, thick safely and follow the grade which rum downslope of the spur.

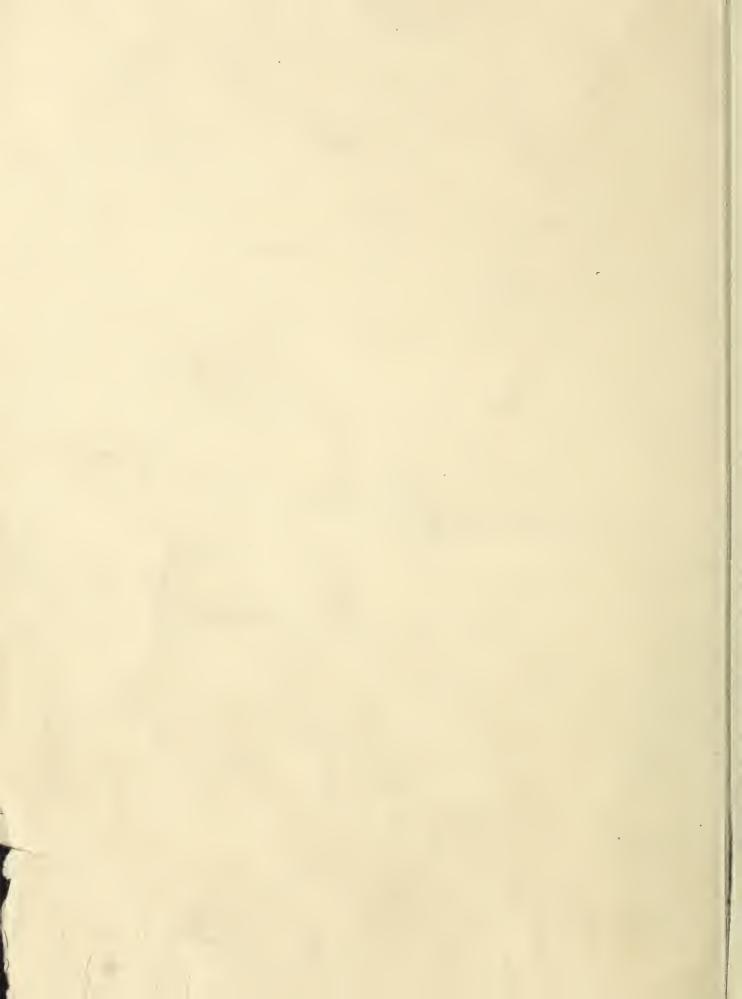
Take the time to walk the old in indine. Imagine the sights, sounds and smells of the West Side raffirmal logging days. Imagine the workers – their rough, dangerous july, and what they would have done with their free time in the woods. Jungine what life in a failioad logging comp was like for the families – their mark and play.

The mainline crossed the Clarry River by means of a 312-long, 761-high, wooden treatle. The Clarry River Trestle burned down, but some of its support structure in plainly widdle. The bridge render hours and mother which tank once stood near thictiestle, went of the river. The nearly complete remains of a West Side flat cature that the here. In agine what it was like to wilk across the bridge, checking for embers from hot machinery after a fully loaded train chugged by. Though it was an mathin ended only a generation ago, it is a way of life that move teems far removed from roday's world.



Clauri River Treath







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TIME TRAVEL ON THE WEST SIDE RAILS

- 1897 Sterra Railway reaches Jamestown, providing a link with the Southern Pacific and network.
 - Rich timber lands in the Tuoluinne River watershed already purchased by William and Henry Crocker William was the son of Charles Crocker of Big Four fame, controllers of the Central and Southern Pacific railroads. William was vice president of the Sierra Railway Company.
 - Stanislaus Forest Reserve established by President Grover Cleveland.
- 1899 West Side Flume and Lumber Company
 (WSF&LC) incorporated and the sammill site
 purchased in the townsite of what is now, Tuolumne.
- 1900 WSF&LC formed and incorporated the Hetch Hetchy and Yosemite Valleys Railway to bring logs by rail to the mill. By year's end, rails extend over 13 miles into the woods.
- 1903 Economic Panic grips the nation.
 - New owners buy the company and simplify its name to the West Side Lumber Company (WSLC). Much more timber land is purchased by the WSLC.
- 1905 Willamette steam donkeys replace smallet, less poverful models and add to the gradual transition away from chute logging.
 - By the end of 1906, the mainline is about 30 miles long.

- 1914 Depressed market for wood products ends with World War I.
- 1915 Logging operations for the West Side conducted out of Camps 74 and 75.
- 1917 Demand for wood products soars with the US' entry into WWI.
 Clavey River Tresile constructed.
- 1920 WSLC sawmill ends the year by milling a record 60 million board feet of lumber. The company owned 10 steam donkeys and employed 300 workers.
- 1921 Pickering Lumber Company, a large timber owner and lumber producer in the Southern states, buys the Standard Lumber Company. The SLC is another large railroad logging operation whose mill was located just a few miles from the West Side's.
- 1925 WSLC expands locomotive roster to 3 Heislers and 5 Shays.
 - Construction crews reach Milepost 46. WSLC purchased by the Pickering Lumber Company (PLC).
 - Forest Service prods the PLC to use tractors where possible instead of the more destructive steam donkeys in its West Side operations on government timber land. PLC officials resist.

- 1929 Stock Market crashes. PLC can only keep its West Side operations going through December, 1930.

 Mainline extended nearly to Jiwbone Creek.
- 1931 PLC files bankruptey. 1934, former WSLC owners reacquire Pickering's West Side operations. The Hetch Hetchy and Yosemire Valleys Ruilway name
- 1939 Tractors for yarding logs in general use on the West
 - By year's end, less than 32 million board feet of lumber milled by the WSLC. The company begins a pattern of exchanging large tracts of eutover lands to the Forest Service (FS) for the right to cit imber on FS administrated hand.
 - WWII creates an increased demand for lumber and a shortage of equipment and labor.
- 1943 Chainsaws introduced to West Side operations.
- 1945 WWILends
 - Trucks to hail logs from the woods to reload stations along the milroad become common and are favored over building railroad spur grades.

- 1950 Camp 45, at Milepost 56, in use.
 Wrights Creek Fire causes serious damage to the morning.
- 1954 Labor strike halts logging.
- 1958 Woods operations shank to the Clavey reload PLC reacquires the WSLC
- 1962 Bitter labor dispute racks the company Mill shifts down. Repented fires, explosions and varidalism add to the company's troubles.
- 1965 PLC sells its Tuolumine County holdings to Fibrelsoard Paper Products. Sawmill dismantled. Camp Clavey shut down for final time.
- 1967 Railroad hardware removed by salvage companies.

PHOTOGRAPHS REPRODUCED IN THIS BROCHURE were provided through the couriesy of the Tuolumne County Historical Society, the Dolly MilleJune Madrid Collection, Fibreboard Wood Preducts Company and the U.S. Forest Sunder

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WEST SIDE RAILS



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